

Work Order ID 151838

Tuesday, October 11, 2016

Page 1

Item ID:

Revision ID:

Item Name:

Draw Nbr:

Start Date: 10/11/2016 1

Start Qty: 1.0000

Revision Nbr

Required Date: 10/11/2016 1

Reqd Qty: 1.0000

Reference: ECN 16-588

Cust Item ID:

Customer ID:

Description: UPDATE P/W PER ECN 16-588

Sales Order:

D139-799 RELEASE INN D139-799 REV L, ICA D139-799 REV. 11

Approvals:

Process Plan:

DAS
21
9-89

Date: OCT 11 2016

Tooling:

Date:

QC:

Date:

SPC (Y/N):

Date:

Hours

Sequence Work Center Operation

Set Up

Run

Tool ID

Tool #

Plan

Accept

Reject

Reject

Insp.

W. Wells

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE



QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐																																																													
Date :		Step #:		QTY Effective :				MRB (QSI042) Approval Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval																																																									
Description Work Order Deviation				Disposition																																																													
Root Cause		FAULT CATEGORY																																																															
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐	Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐	Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐	Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐	Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐	Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐	Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐	Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐	LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐	Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐	Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____			
Misidentified ☐	Past Due ☐																																																																

ENGINEERING CHANGE NOTICE

DART AEROSPACE LTD

Date: 16.10.05	Job No.:	ADR Yes/No: N	ADR Date:	ECN #: 16- 588
Product No.: D139-799		Created By: KJ	Approved By: <i>[Signature]</i>	
Product Name: Maintenance Kits		Checked By: <i>[Signature]</i>		

Distribution	Reqd	Resp	Initial / Date (YY/MM/DD)	Distribution	Reqd	Resp	Initial / Date (YY/MM/DD)
Director of Operations	N	DM		DQA / QA Coord.	Y	PS / ED	
Production Manager / Coord.	Y	MP / MF		QC Coordinator	Y	PD	
Purchasing Manager / Purchasing Coord.	Y	LL / CL		Customer Support	Y	SW / LM	
Production Engineering Coord.	Y	DD / JLM		Customer Technical Support	Y	MB / HS	16.10.05
Production Engineering Coord.	N	DL		Marketing	Y	SL / WR	
Customer Order Processing	N	SL / BG		Dist. Management Coord.	Y	HM	

Reason for Change:
Received FAA approval of the new D139-799-039 Engine Oil Drain Kit for the AB/AW139 Aircraft

Documents Affected:
Release IIN-D139-799 Rev L, ICA-D139-799 Rev 11
Release D4074 Rev D, D5370 Rev A, D5373 Rev A, D5383 Rev A, D5384 Rev A, D5386 Rev A, D5421 Rev A

IF APPLICABLE: **NCR:** _____ **PAR:** _____ **CAR:** _____ **CIR:** _____ **URF:** _____

PAPERWORK UPDATE ☒ **PARTS MUST COMPLY** ☒ **PREVIOUS PARTS SATISFACTORY** ☐

#	Quality Assurance Actions	Reqd	Resp	Notes	Complete
1	Notify Previous Customers	Y	MB		16.10.05
2	Notify Eurocopter France	N			
3	Notify Augusta Westland	N			
4	Manufacturing Licensing Agreement Update	N			

#	Engineering Actions	Reqd	Resp	Notes	Complete
5	Required Documents/Drawings/Item ID's Under Review (URF)	N			
6	Update Master Document List (MDL)	Y	CC	MDL-D139-799 Rev P	16.10.06
7	Update Document Record (DR)	N			
8	Update Product Compatibility Matrix	N			
9	Notify TC / FAA of Change (eg. ICA, 8110-3)	N			
10					

#	Document Control Actions	Reqd	Resp	Notes	Complete
11	Move / Update Electronic Files / Design Journal	Y	KJ		16.10.06
12	Update Product Specification Files (Bluefiles)	Y	KJ		16.10.06
13	Update Approved/Preliminary Dwg PDF Files	Y	KJ		16.10.06
14	Update Product Development Summary (STC applications)	N			
15	Update QSI 021 (TC/FAA STC) and/or STC Approval List	N			
16	Create/Update Parts / STC Database	Y	KJ		16.10.06
17	Update / Verify Airworthiness Release Certificate Database	Y	KJ	#137	16.10.06
18	Create / Update Change Record Form / Item Card Database	Y	KJ	D139-799-039 @ CHG001	16.10.06
19	Create / Update Packaging Process Plan (PPP)	Y	KJ		16.10.06
20	Red Decals required on Packaging Process Plan (PPP)?	N			
21	Update Controlled Supplier Documents (Qpulse) Database	N			
22	Update Grey Project Binder / Electronic Project Folder	Y	KJ		16.10.06
23	Update D-Part / M-Drawing / DSI / DEO Master Binders	Y	KJ		16.10.06
24	Update "Royalty Paid to" attribute (Parts sold under Dart USA STC's)	N			
25					

Description / Action:
Please add IIN and ICA to kits in stock and in progress

ECN Verified & Complete: _____ Date: _____

List Lots

Thursday, October 06, 2016 1:00:28 PM

Page 1 of 3

Criteria : Item ID: 'D139-799-011', 'D139-799-012', 'D139-799-013', 'D139-799-015', 'D139-799-017', 'D139-799-021', 'D139-799-023', 'D139-799-025', 'D139-799-029', 'D139-799-033' All Locations All Warehouses All Quantity

Item ID Item Name	Warehouse ID Location ID	Lot Number	Last Trans Date	Lot Qty	Shelf Life Dt Lot Code	Type Code	Comments
D139-799-011 Maintenance Step LH	Main Warehouse FG019	150375	10/5/2016	5.0000	QC21	CHG004	
	OFFSHORE FG	134623	10/5/2016	1.0000	QC21	CHG004	
	OFFSHORE FG	150842	10/5/2016	1.0000	QC21	CHG004	
		Total:		7.0000			
D139-799-012 Maintenance Step RH	OFFSHORE FG	114444	9/16/2015	2.0000	QC21	CHG004	
	OFFSHORE FG	135189	10/5/2015	1.0000	QC21	CHG004	
		Total:		3.0000			
D139-799-013 Cargo Door Fwd Opening (fits LH or RH)	Main Warehouse FG019	134549	8/16/2016	3.0000	QC21	CHG006	
	Main Warehouse FG019	146970	9/7/2016	4.0000	QC21	CHG006	
	OFFSHORE FG	132019	8/16/2016	1.0000	QC21	CHG006	
	OFFSHORE FG	134549	8/16/2016	1.0000	QC21	CHG006	
	OFFSHORE FG	146970	9/7/2016	1.0000	QC21	CHG006	
		Total:		10.0000			
D139-799-015 Engine Wash	Main Warehouse FG019	150640	9/27/2016	3.0000	QC21	CHG005	
	OFFSHORE FG	149546	9/27/2016	1.0000	QC21		

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List Lots

Thursday, October 06, 2016 1:00:28 PM

Page 2 of 3

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Item ID Item Name	Warehouse ID Location ID	Lot Number	Last Trans Date	Lot Qty	Shelf Life Dt Lot Code	Type Code	Comments
Total:				4.0000			
D139-799-017 Cargo Floor Protector - Cargo Compartment	Main Warehouse FG040	150022	9/27/2016	3.0000	QC21	CHG004	
	OFFSHORE FG	137875	9/6/2016	1.0000	QC21	CHG004	
Total:				4.0000			
D139-799-021 Cargo Compartment Trim Protectors S/N 31005-31200 & S/N 41001-41200	Main Warehouse FG019	126440	5/4/2016	4.0000	QC21	CHG001	
	Main Warehouse FG019	128640	8/30/2016	2.0000	QC21	CHG001	
	Main Warehouse FG019	137999	5/4/2016	2.0000	QC21	CHG001	
	OFFSHORE FG	99524	6/6/2016	2.0000	QC21	CHG001	
Total:				10.0000			
D139-799-023 Anti-Rotation Blocks	Main Warehouse FG019	117813	4/29/2016	4.0000	QC21	CHG002	
	OFFSHORE FG	103408	5/20/2014	1.0000	QC21	CHG002	
	OFFSHORE FG	87101	5/20/2014	1.0000	QC21	CHG002	
Total:				6.0000			
D139-799-025 Cargo Compartment Rain Gutter	Main Warehouse FG019	132017	6/27/2016	1.0000	QC21	CHG001	

Thursday, October 06, 2016 1:00:28 PM

List Lots

Page 2 of 3

List Lots

Page 3 of 3

Thursday, October 06, 2016 1:00:28 PM

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Item ID Item Name	Warehouse ID Location ID	Lot Number	Last Trans Date	Lot Qty	Shelf Life Dt Lot Code	Type Code	Comments
D139-799-025 Cargo Compartment Rain Gutter	Main Warehouse	141901	6/27/2016	3.0000	QC21	CHG001	
	FG019						
	OFFSHORE	114082	6/27/2016	1.0000	QC21		
	FG						
	OFFSHORE	126834	6/27/2016	2.0000	QC21	CHG001	
	FG						
			Total:	7.0000			
D139-799-029	Main Warehouse	147053	8/30/2016	8.0000	QC21	CHG003	
AW139 Hinged Fuel Cap	FG019						
			Total:	8.0000			

Thursday, October 06, 2016 1:00:28 PM

List Lots

Page 3 of 3